

Recovery Plan Action Status

Plan Name: Roseate Tern (NE U.S./Canada)

Plan Status: Final Revision 1

Plan Date: 05-Nov-98

Lead Agency: USFWS

Lead Office: New England Ecological Services Field Office

(2603)
(223-2541)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Roseate tern (Sterna dougallii dougallii)	2	1	Determine location of tern colonies with nesting roseates.	Ongoing Current	Prior to FY 1995	FY 2020	U.S. Geological Survey, State Wildlife Management Agencies, Private Organizations, Ecological Services	Management	Species Expert	Most colonies known. Some shifting occurs.
Roseate tern (Sterna dougallii dougallii)	2	1.21	Develop criteria for evaluating colonies.	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Geological Survey, State Wildlife Management Agencies, Private Organizations, Ecological Services	Management: Other	Species Expert	
Roseate tern (Sterna dougallii dougallii)	2	1.22	Evaluate existing colonies for potential to increase populations.	Ongoing Current	Prior to FY 1995	FY 1995 - FY 1999	State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Habitat Status	Species Expert	
Roseate tern (Sterna dougallii dougallii)	3	1.23	Identify former colony sites and evaluate present habitat at those sites.	Complete	Prior to FY 1995	FY 1995 - FY 1999	State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: General	Species Expert	
Roseate tern (Sterna dougallii dougallii)	3	1.24	Identify potential sites with no history of roseate nesting and evaluate habitat and competing species.	Ongoing Current	FY 1995 - FY 1999		State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: General	Species Expert	As needed
Roseate tern (Sterna dougallii dougallii)	2	1.25	Determine proximity of suitable feeding habitat to existing and potential nesting habitat.	Partially Complete	Prior to FY 1995	FY 2020	State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Habitat Requirements	Species Expert	
Roseate tern (Sterna dougallii dougallii)	3	1.26	Rank sites with greatest potential to support expanding populations.	Not Started	FY 1995 - FY 1999		U.S. Geological Survey, State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Demographic Studies	Species Expert	

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Roseate tern (Sterna dougallii dougallii)	2	1.31	Determine ownership of all existing and potential nesting sites.	Complete	Prior to FY 1995	FY 1995 - FY 1999	State Wildlife Management Agencies, Ecological Services	Research: General	Internal Administrative	Most are known.
Roseate tern (Sterna dougallii dougallii)	2	1.32	Contact landowners and provide protection recommendations.	Ongoing Current	Prior to FY 1995		State Wildlife Management Agencies, Ecological Services	Management	Internal Field Assistance	1k
Roseate tern (Sterna dougallii dougallii)	2	1.33	Protect currently unprotected sites through acquisition or easements.	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Division of Realty, State Wildlife Management Agencies, Ecological Services, Land Management Agencies and Organizations	Acquisition: Easement, Acquisition: Management Agreement	Internal Administrative	Land costs unpredictable
Roseate tern (Sterna dougallii dougallii)	2	1.34	Develop and implement management strategies, incorporating existing management activities.	Ongoing Current	Prior to FY 1995	FY 2020	State Wildlife Management Agencies, Region 5, Division of Refuges and Wildlife, Ecological Services, Law Enforcement	Management: General	Species Expert	
Roseate tern (Sterna dougallii dougallii)	1	1.3431	Reduce nest site competition with herring and great black-backed gulls including reducing nesting gull populations when necessary.	Partially Complete	Prior to FY 1995	FY 2020	U.S. Department of Agriculture, State Wildlife Management Agencies, Region 5, Division of Refuges and Wildlife, Ecological Services	Management: Predator and Competitor Control	Internal Field Assistance	Assumes some successes and reduction of level of effort in years 2 and 3
Roseate tern (Sterna dougallii dougallii)	1	1.344	Discourage or control predators.	Ongoing Current	Prior to FY 1995		U.S. Department of Agriculture, State Wildlife Management Agencies, Region 5, Division of Refuges and Wildlife, Ecological Services	Management: Depredation Control	Internal Field Assistance	Can vary greatly year to year
Roseate tern (Sterna dougallii dougallii)	1	1.3451	Physically maintain, enhance and expand nesting habitat.	Ongoing Current	Prior to FY 1995		State Wildlife Management Agencies, U.S. Army Corps of Engineers, Ecological Services, Local town or county agencies	Management: Habitat Maintenance and Manipulation	Internal Field Assistance	Costs speculative; encompasses erosion control, restoration of badly eroded habitat and habitat nourishment activities.

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Roseate tern (Sterna dougallii dougallii)	2	2	Determine numbers of pairs of roseates and other terns at each site.	Ongoing Current	Prior to FY 1995		U.S. Geological Survey, State Wildlife Management Agencies, Region 5, Division of Refuges and Wildlife, Private Organizations, Ecological Services, American Museum of Natural History	Research: Demographic Studies	Species Expert	
Roseate tern (Sterna dougallii dougallii)	3	2.11	Identify staging areas used and times when they are used.	Partially Complete	Prior to FY 1995	FY 2011	State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Migration	Species Expert	Study family groups and length of parental care
Roseate tern (Sterna dougallii dougallii)	3	2.12	Determine factors that influence use of staging areas.	Ongoing Current	FY 1995 - FY 1999		State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Migration	Species Expert	
Roseate tern (Sterna dougallii dougallii)	3	2.2	Appraise need for protection of beach roosting sites and manage if need is established.	Not Started	FY 2008		State Wildlife Management Agencies, Private Organizations, Ecological Services, Law Enforcement	Management: Other	Species Expert	
Roseate tern (Sterna dougallii dougallii)	2	2.3	Determine need for and feasibility of management of wintering areas.	Ongoing Current	FY 1995 - FY 1999	FY 2010	State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Other Information	Species Expert	Depends on outcome of 3.3
Roseate tern (Sterna dougallii dougallii)	2	2.4	Promote international cooperation in research and management in wintering areas.	Ongoing Current	FY 1995 - FY 1999	FY 2010	State Wildlife Management Agencies, Ecological Services	Other: Information and Education	Internal Administrative	Depends on outcome of 3.3
Roseate tern (Sterna dougallii dougallii)	2	3	Assess productivity at major colonies.	Ongoing Current	Prior to FY 1995		State Wildlife Management Agencies, Private Organizations, Ecological Services, American Museum of Natural History	Research: Demographic Studies	Species Expert	

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Roseate tern (Sterna dougallii dougallii)	2	3.21	Improve and standardize methods for computing breeding populations in all colonies.	Complete	FY 1995 - FY 1999	FY 2006	U.S. Geological Survey, State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Population Surveys	Species Expert	Update again in 2001
Roseate tern (Sterna dougallii dougallii)	1	3.3	Conduct studies to locate winter quarters and determine survival.	Partially Complete	FY 1995 - FY 1999	FY 2010	State Wildlife Management Agencies, Ecological Services	Research: Other Information	Species Expert	
Roseate tern (Sterna dougallii dougallii)	2	3.44	Evaluate possible impacts of banding studies on reproductive success.	Complete	Prior to FY 1995	FY 1995 - FY 1999	State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Other Information	Species Expert	Underway, completion by 98
Roseate tern (Sterna dougallii dougallii)	3	3.45	Evaluate possible effects of banding/colorbanding on overwinter survival.	Complete	Prior to FY 1995	FY 2000 - FY 2004	State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Other Information	Species Expert	Done in conjunction with current efforts.
Roseate tern (Sterna dougallii dougallii)	2	3.46	Investigate factors affecting fledgling survival and recruitment.	Ongoing Current	Prior to FY 1995	FY 2010	State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Demographic Studies	Species Expert	
Roseate tern (Sterna dougallii dougallii)	2	3.47	Investigate factors causing unequal adult sex ratios and determine sex specific survival rates of adults.	Ongoing Current	FY 1995 - FY 1999		State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Demographic Studies	Species Expert	
Roseate tern (Sterna dougallii dougallii)	3	3.61	Identify and characterize preferred feeding areas.	Partially Complete	FY 1995 - FY 1999	FY 2010	State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Other Information	Species Expert	
Roseate tern (Sterna dougallii dougallii)	3	3.64	Determine relationships between food availability and breeding success on an individual, age class, and colony-site basis.	Ongoing Current	FY 1995 - FY 1999	FY 2010	State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Other Information	Graduate Student	
Roseate tern (Sterna dougallii dougallii)	3	3.7	Evaluate possible adverse impacts of contaminants and diseases.	Ongoing Not Current	Prior to FY 1995		Environmental Protection Agency , Private Organizations, Ecological Services	Research: Environmental Contaminants	Internal Field Assistance	Chemical analyses costs

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Roseate tern (Sterna dougallii dougallii)	2	3.9	Refine and test methodology for attracting terns at new sites.	Complete	Prior to FY 1995	FY 2005	State Wildlife Management Agencies, Private Organizations, Ecological Services	Research: Reintroduction	Species Expert	Final recommendations within 3 years
Roseate tern (Sterna dougallii dougallii)	3	4	Develop and distribute educational material.	Ongoing Not Current	Prior to FY 1995		State Wildlife Management Agencies, U.S. Fish and Wildlife Service, Division of External Affairs, Ecological Services	Other: Information and Education	Internal Administrative	